

PATENT  
Attorney Docket No.: 47539.00027

REMARKS

Please reconsider this application in view of the above amendments and the following remarks.

- Claims 1-28 are pending.
- Claims 1-28 are rejected.

The specification and claims have been amended to change the term "nozzle tip" to "nozzle chip". This amendment does not add new matter

In the amended claim 1 in the present application, the ink jet head (e.g., 2 in FIG. 1) comprises:

a plate shaped nozzle chip (e.g., 21 in FIG. 2) including a front end surface (e.g., 21b in FIG. 2) in which a plurality of nozzles for jetting ink are provided, a back end surface (e.g., 21c in FIG. 4) opposed to the front end surface, and four side surfaces adjacent to the back end surface; and

a frame shape member (e.g., 20 in FIG. 4) to position and mount the nozzle chip thereon, including: a first protrusion pair (e.g., 20fA and 20fB in FIG. 6A) which abut on one pair of facing sides of the four side surfaces to sandwich the nozzle chip, and a second protrusion pair (e.g., 20fC and 20gC in FIG. 6A) which abut on the other pair of facing sides of the four side surfaces to sandwich the nozzle chip.

Also, in the amended claim 15 in the present application, the ink jet printer (e.g., 1 in FIG. 1) comprises:

an ink jet head (e.g., 2 in FIG. 1) which comprises a plate shaped nozzle chip (e.g., 21 in FIG. 2) including a front end surface (e.g., 21b in FIG. 2) in which a plurality of

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nozzles for jetting ink are provided, a back end surface (e.g., 21c in FIG. 4) opposed to the front end surface and four side surfaces adjacent to the back end surface, and a frame shape member (e.g., 20 in FIG. 4) including a first protrusion pair (e.g., 20fA and 20fB in FIG. 6A) which abuts one pair of facing sides of the four side surfaces to sandwich the nozzle chip, and a second protrusion pair (e.g., 20fC and 20gC in FIG. 6A) which abuts the other pair of facing sides of the four side surfaces to sandwich the nozzle chip, for positioning and mounting the nozzle chip; and  
a carriage (e.g., 3 in FIG. 1) on which the ink jet head is mounted in a pre-positioned state.

According to the ink jet head in the amended claim 1 or the ink jet printer in the amended claim 15, the first protrusion pair abuts the one pair of facing sides of the four side surfaces of the back end portion of the nozzle chip to sandwich the nozzle chip, and the second protrusion pair abuts the other pair of facing sides of the four side surfaces of the back end portion of the nozzle chip to sandwich the nozzle chip. Therefore, the nozzle chip can be positioned properly to the frame shape member in a horizontal direction, as described on lines 14-21 in page 4 in the specification.

In *Misumi et al.* (US2002/0024560), such a concept of the invention is not disclosed.

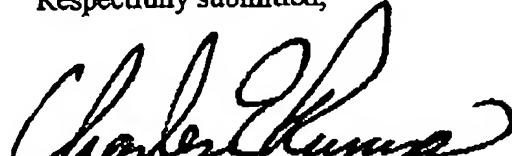
Moreover, *Misumi et al.* does not disclose the frame shape member having the first protrusion pair and the second protrusion pair to position the back end portion of the nozzle chip as disclosed in the invention.

Thus, the present invention is neither anticipated by nor obvious from the cited references.

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Since all outstanding claims are in a condition for allowance, please issue a Notice of Allowability so stating. If I can be of any help, please contact me.

Respectfully submitted,



Charles E. Runyan, Jr. Ph. D.  
Attorney for Applicants  
Reg. No. 43,066

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Squire, Sanders & Dempsey L.L.P.  
One Maritime Plaza  
Suite 300  
San Francisco California 94111  
Telephone 415-954-0235  
Facsimile 415-393-9887  
crunyan@ssd.com